









GOVDOC BRA 3046

South Boston Piers/Fort Point Channel

Transit Project

Briefing Materials





Massachusetts Bay Transportation Authority

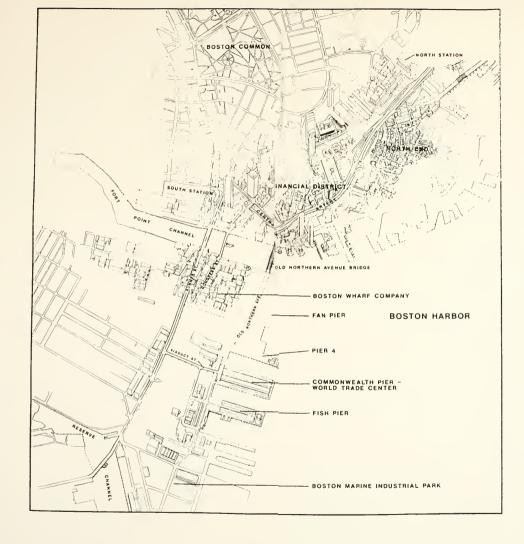
September 1991



SOUTH BOSTON PIERS/ FORT POINT CHANNEL TRANSIT PROJECT PURPOSE

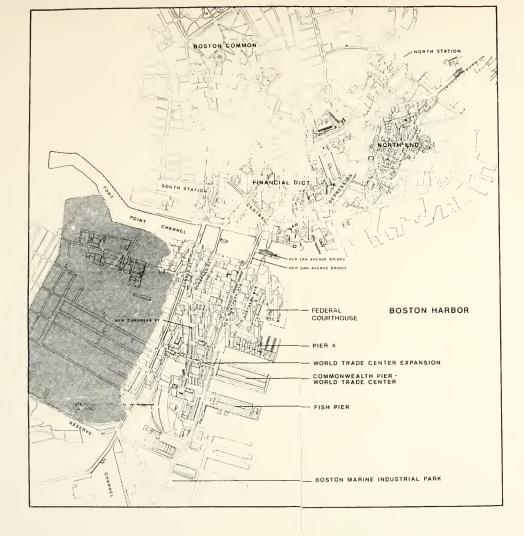
- To Respond to and Support Public and Private Economic Development Initiatives in the South Boston Piers Area.
- To Ensure Acceptable Environmental Outcomes
 While Protecting Investments in the Regional
 Highway System, Particularly the Central Artery
 (I-90)/Third Harbor Tunnel (I-93) Project, by
 Encouraging Transit-Oriented Development
 Patterns.
- To Implement Transit Service in a Manner that is Responsive to Fiscal Constraints at the MBTA.

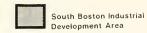
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South Boston Piers/ Fort Point Channel Transit Alternatives URS Consultants, Inc.

Downtown and South Boston Piers - 1988





South Boston Piers/ Fort Point Channel Transit Alternatives URS Consultants, Inc.

Downtown and South Boston Piers- 2010



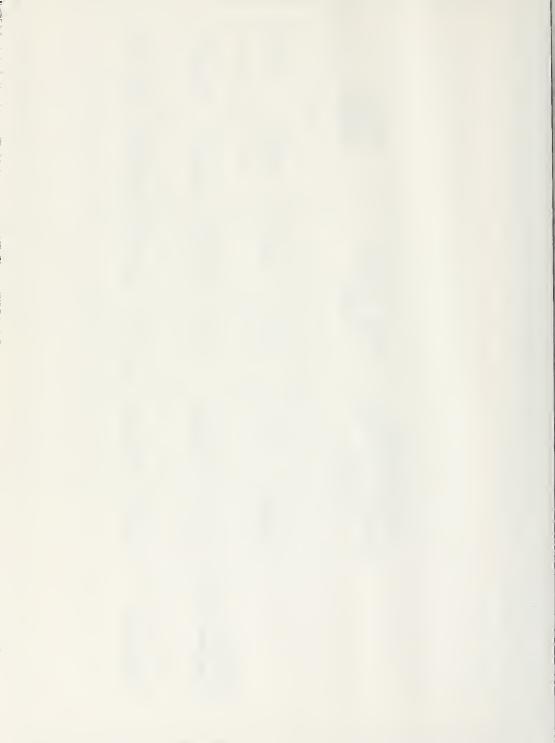
AND TRIP GENERATION

Peak Hour	/C
Developed Square Footage	

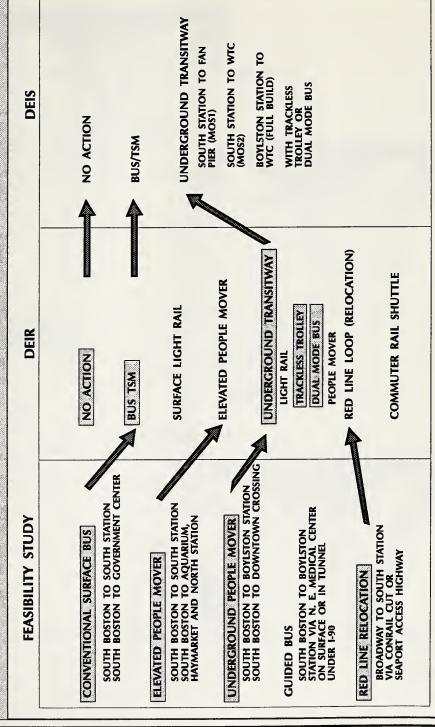
Peak Hour Trips	
oed ootage	

Daily Trips

2010	000'06	200,000
1986	40,000	12,000 18,000 20,000 30,000 120,000 200,000
2010	7,000 20,000 40,000	30,000
1986	7,000	20,000
2010	22,000	18,000
1986	ers 9,000 22,000	12,000
	South Boston Piers	Midtown

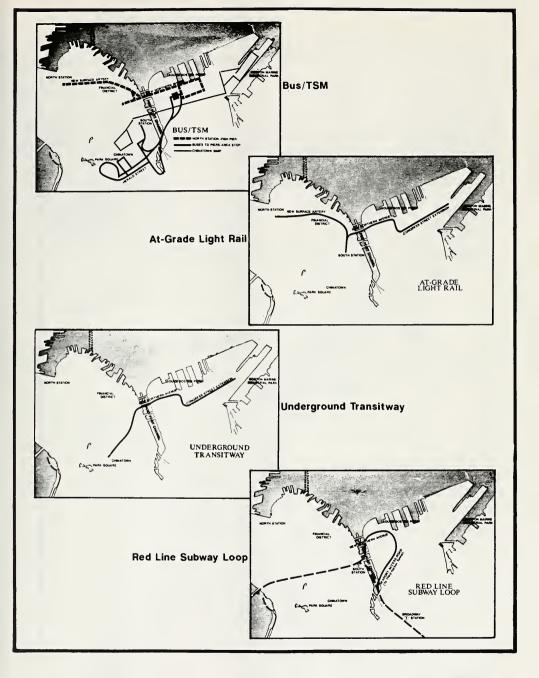


MBIA SOUTH BOSTON FIERS/FORT FOINT CHANNEL PROGRESSION OF ALTERNATIVES STUDIED TRANSIT PROJECT

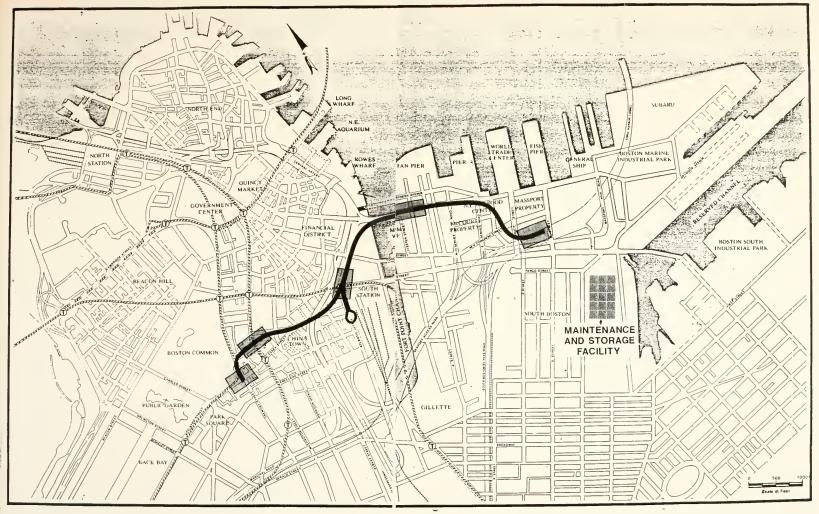


DENOTES ALTERNATIVE CARRIED OVER INTO SUBSEQUENT PHASE

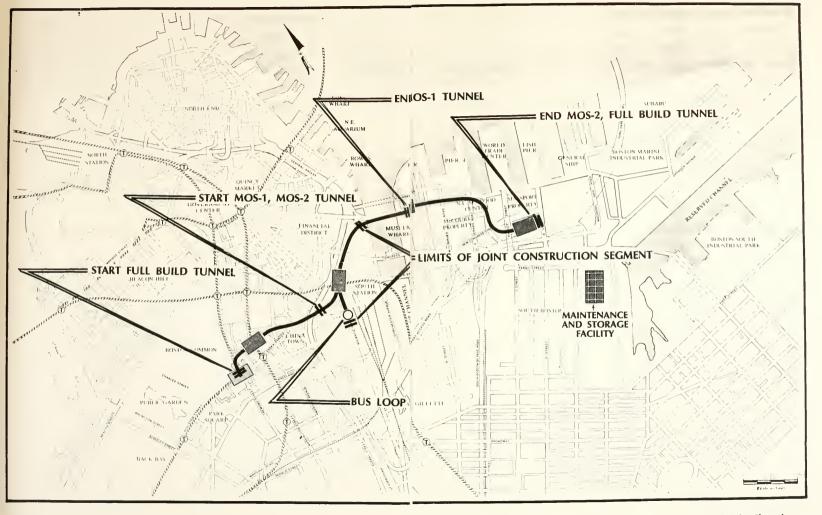








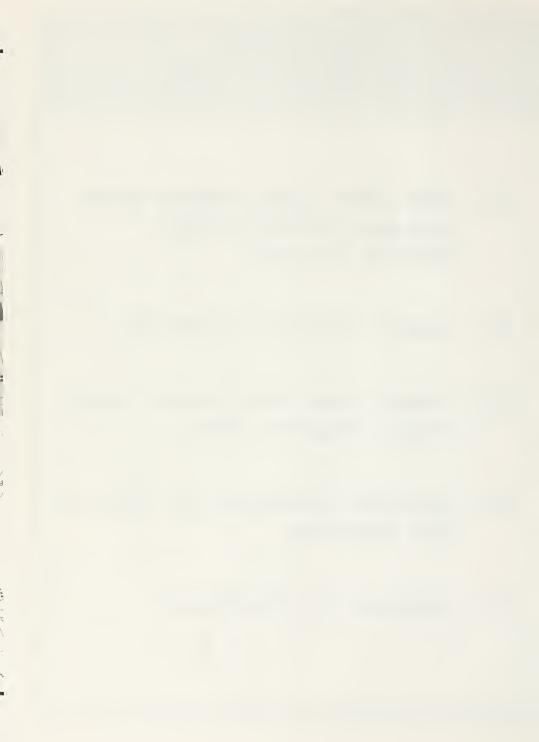
DEIS Alternative Fort Point Channel Underground Transitway



Fort Point Channel Underground Transitway Alternatives

TRANSITWAY -KEY POLICY FEATURES

Only MBTA Capital Project which Leverages DISCRETIONARY FEDERAL DOLLARS Flexible Intermodal Investment Central Artery/Third Harbor Tunnel **Project Mitigation Action** Significant Contribution to 1999 SIP **VMT Reduction Laboratory for Privatization**



ADVANTAGES OF THE TRANSITWAY

- Incremental Implementation
- Long-Term Expansion
- Highest Transit Ridership to the Piers Area
- Other Markets
- Integration with Other Servicesand Intermodal Potential



2010 TRANSITWAY DAILY TRANSIT RIDERSHIP AND MODE SHARE TO THE SERVICE AREA

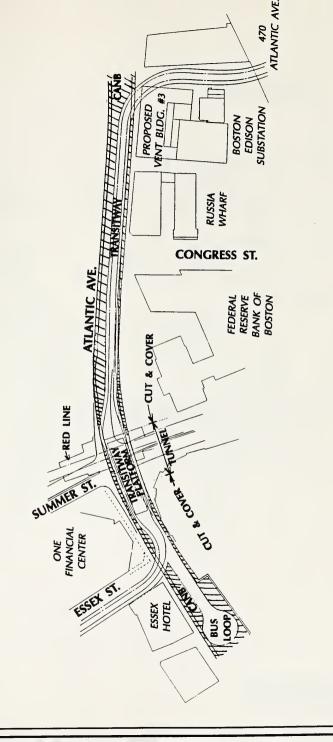
	Transit Trips	Transit Mode Share*	Auto Vehicle Trips Diverted
Daily	40,500	44%	8,330
Peak Hour	12,200	63%	3,770

Total Annual Ridership** = 23,900,000

- * Mode shares are predicated upon the Metropolitan Planning Organization's proposed South Boston Parking Freeze
- ** Inbound plus outbound, including estimated weekend ridership

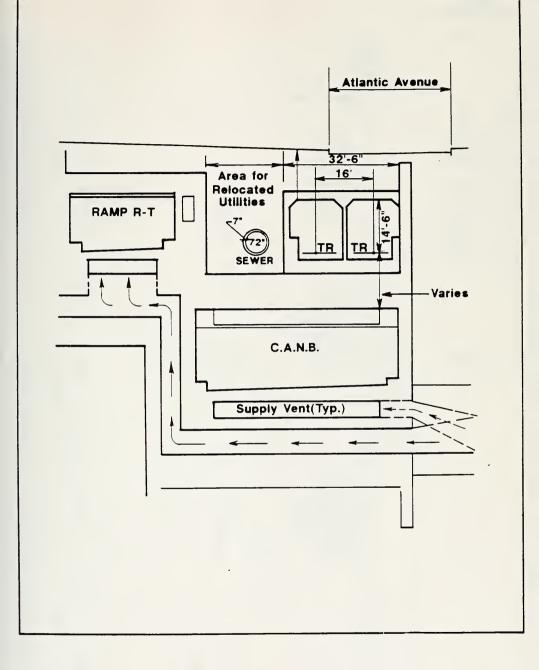


OVER NORTHBOUND CENTRAL ARTERY



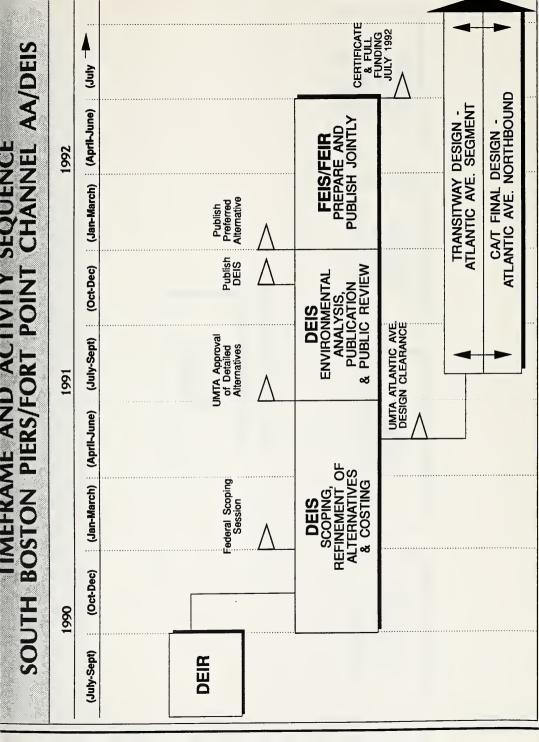
CENTRAL ARTERY - NORTHBOUND



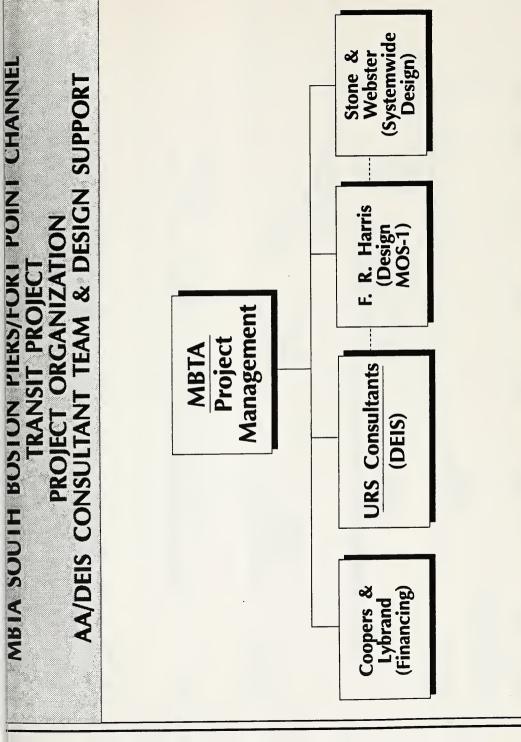


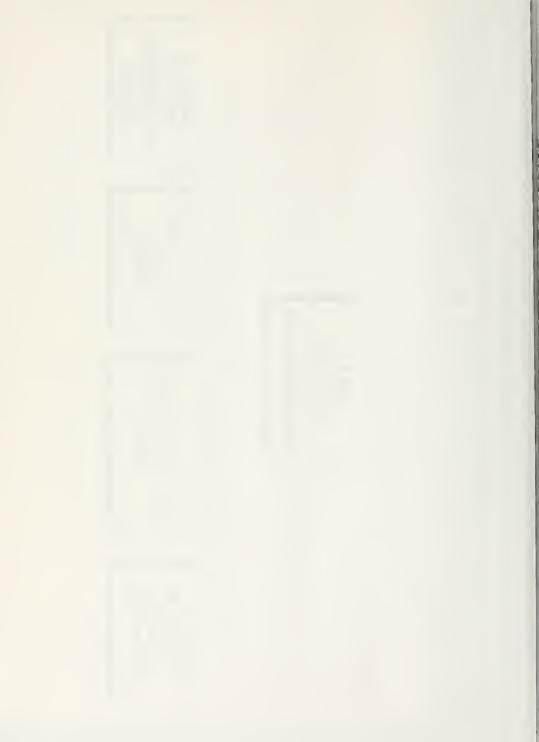
Underground Transitway-Typical Section, Over Northbound Central Artery



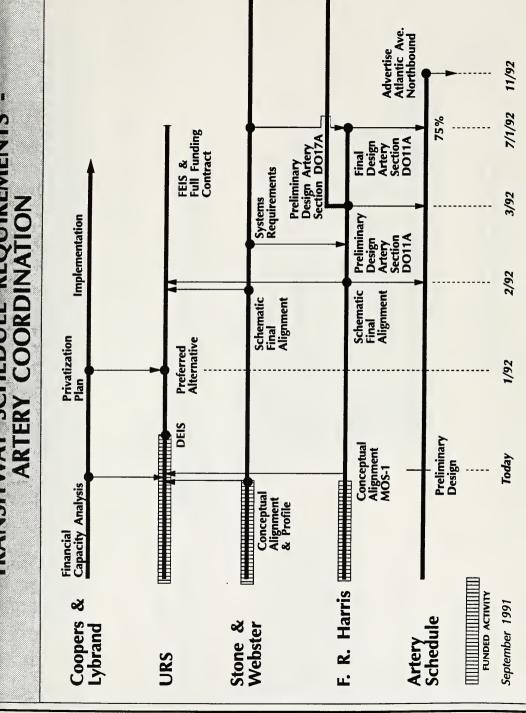


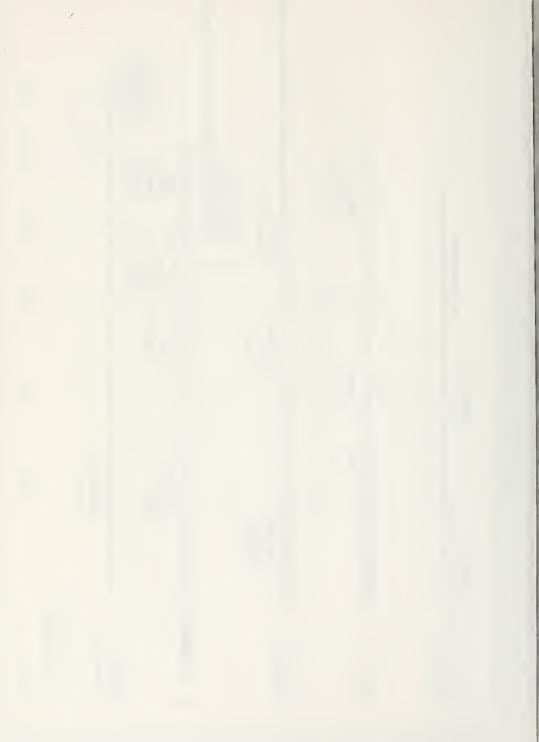






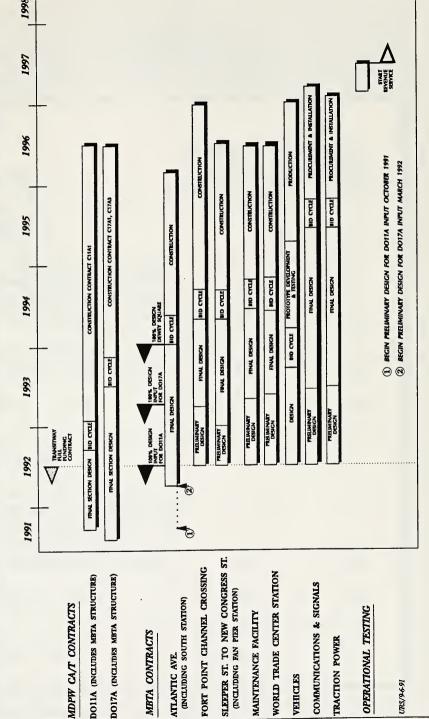
TRANSIIWAY SCHEDULE REQUIREMENTS -





MBTA SOUTH BOSTON FIERS/FORT FOINT CHANNEL TRANSIT PROJECT

SOUTH STATION TO WORLD TRADE CENTER MASTER SCHEDULE





TRANSITWAY COSTS BY SEGMENT

Segment	Millions of 1991 Dollars	
Section 1		
1. Minimum Operable Segment to Fan Pier including buses and maintenance facility	235	272
2. Extension to World Trade Center	66	76
Section 1 Total:	301	348
Section 2		
3. Boylston to South Station including final bus procurement and completion of maintenance facility	l 199	N/A
Section 2 Total:	199	N/A
TOTAL COST:	500	N/A



FUNDING SUMMARY SHEET

Full Funding Contract Requirement \$348 million

Federal Share (80%)

\$278 million

Local Share (20%)

\$70 million

Fiscal Year Funding Requirements

	Federal	Local		
FY92	\$25 million	\$6.25 million		
FY93	\$50 million	\$12.75 million		
FY94	\$75 million	\$18.75 million		
FY95	\$75 million	\$18.75 million		
FY96	\$53 million	\$13.25 million		



CASH DRAWDOWN PROJECTION TRANSIIWAY PROIEC

Assumptions

- 1. Congress authorizes and appropriates on a schedule consistent with the House Public Works proposed Reauthorization Act.
- 2. Senators Kennedy/Kerry are able to pass language to make our receipt of UMTA funding retroactive to preliminary engineering.

Under the above conditions, the cash outlay is projected to be:

	FY92	FY92 FY93	FY94	FY95	FY94 FY95 FY96	FY97
State	\$2	\$2	\$10	\$10	\$20	\$23
Federal	8\$	\$20	\$40	\$40	\$80	06\$
	\$10	\$25	\$50	\$50	\$100	\$113



PRIVATIZATION PROGRAM

- Value Capture
- Other Private Sector Roles



TRANSIT - RELATED BENEFITS

- Allows Greater Density While Protecting Environmental and Community Concerns
- Enhances Value of Development
- O Creates Parking-Related Benefits
- Generates Property Taxes and Fees



BENEFIT SUMMARY

20% Additional Development	\$565M
Enhanced Value of Total Development	\$209M
Parking-Related Construction Cost Savings	\$203M
Property Tax Revenue and Linkage Fees	\$165M
Total	\$1142M



REVENUE - GENERATING MECHANISMS

- **Betterment Assessments**
- **Tax Increment Financing**
- **Density Bonuses**
- Parking Fees
- Mortgage Recording Fees
- **Impact Fees**



OTHER PRIVATE SECTOR ROLES

- **Financing of Vehicles**
- Turnkey on Vehicle Procurement
 & Maintenance Including
 Provision of Facilities
- Alternative Debt Financing for Capital Requirements
- Joint Development/ConstructionOpportunities
- Other







